

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT  
APPLICATION TRANSMITTAL LETTER

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Customer Number **21839**

22386 U.S. PTO  
10/721268



Sir:

Enclosed for filing is the utility patent application entitled:

A METHOD FOR FABRICATING, MODIFYING OR REPAIRING OF SINGLE CRYSTAL  
OR DIRECTIONALLY SOLIDIFIED ARTICLES

by the following named inventor(s):

Walter BREHM, Matthias HOEBEL, Edward OBBARD and Alexander SCHNELL

- Applicant(s) suggests Figure 4b for inclusion on the front page of the patent application publication and patent.
- Applicant(s) requests that the published application include the following assignment information:  
ALSTOM Technology Ltd, Baden, Switzerland

---

---

---

---

---

- Small entity status is claimed.

Also enclosed are:

**DRAWINGS:** 3 sheets of formal drawings      \_\_\_\_\_ sheets of informal drawings

**DECLARATION:**  will follow       executed, is enclosed       unexecuted, is enclosed

**ASSIGNMENT:**  is enclosed       will follow

**CLAIM FOR  
PRIORITY  
UNDER 35 U.S.  
C. § 119 and/or  
365:**

is made in the declaration       is hereby made as follows

is hereby made as follows

**Filing Date**

DD-MM-YYYY

certified copy(ies) enclosed

certified copy(ies) will follow

## OTHER PAPERS:

- a General Authorization for Petitions for Extensions of Time and Payment of Fees
- an Information Disclosure Statement
- an Application Data Sheet (ADS)
- Preliminary Amendment

The filing fee has been calculated as follows  and in accordance with the enclosed preliminary amendment;

CLAIMS					
	No. of Claims		Extra Claims	Rate	Fee
Basic Application Fee (1001)					\$ 770.00
Total Claims	15	MINUS 20 =	0	x \$18.00 (1202) =	\$ 0.00
Independent Claims	1	MINUS 3 =	0	x \$86.00 (1201) =	\$ 0.00
If multiple dependent claims are presented, add \$290.00 (1203)					
Total Application Fee					\$ 770.00
<input type="checkbox"/> Small Entity Status claimed - subtract 50% of Total Application Fee					\$ 0.00
Add Assignment Recording Fee of \$40.00 (8021) if Assignment document is enclosed.					
<b>TOTAL APPLICATION FEE DUE</b>					<b>\$ 770.00</b>

This application is being filed without a filing fee. Issuance of a Notice to File Missing Parts of Application is respectfully requested.

Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.

A check in the amount of   \$ 770.00   is enclosed for the fee due.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Please address all correspondence concerning this application to:

Burns, Doane, Swecker & Mathis, L.L.P.  
Customer Number **2 1 8 3 9**  
P.O. Box 1404  
Alexandria, Virginia 22313-1404

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

Filed: November 26, 2003

By

  
\_\_\_\_\_  
Robert S. Swecker  
Registration No. 19,885

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Walter BREHM et al

Application No.: Unassigned

Filing Date: November 26, 2003

Group Art Unit: Unassigned

Examiner: Unassigned

Confirmation No.: Unassigned

Title: A METHOD FOR FABRICATING, MODIFYING OR REPAIRING OF SINGLE CRYSTAL OR  
DIRECTIONALLY SOLIDIFIED ARTICLES

**GENERAL AUTHORIZATION FOR PETITIONS  
FOR EXTENSIONS OF TIME AND PAYMENT OF FEES**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.136(a)(3), the U.S. Patent and Trademark Office is hereby provided with a general authorization to treat any concurrent or future reply requiring a petition for an extension of time for its timely submission as containing a request therefor for the appropriate length of time.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

Date: November 26, 2003

By



Robert S. Swecker  
Registration No. 19,885